



HIGH CAPABILITY TOOLING

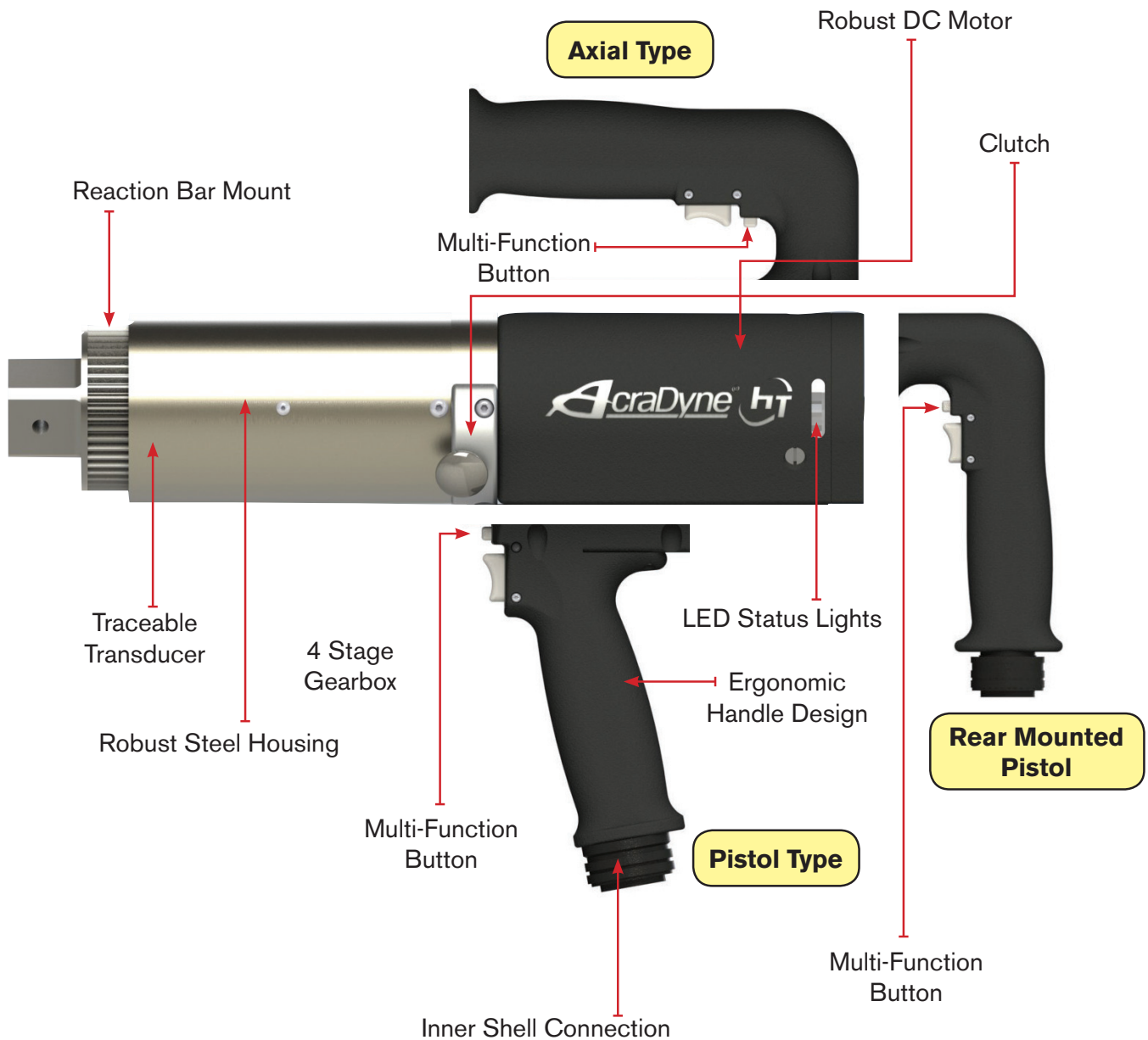


ACHIEVING ASSEMBLY EXCELLENCE

ACRADYNE® HIGH TORQUE TOOLS

CHOOSE YOUR HANDLE

A heavy-duty design with the ability to adapt to nearly any handle configuration.



ACRADYNE® HIGH TORQUE TOOLS



PISTOL TYPE
AEP SERIES



REAR MOUNTED PISTOL
AED SERIES



AXIAL TYPE
AEJ SERIES



FIXTURED TYPE
AEF SERIES



STRAIGHT LEVER TYPE
AES SERIES

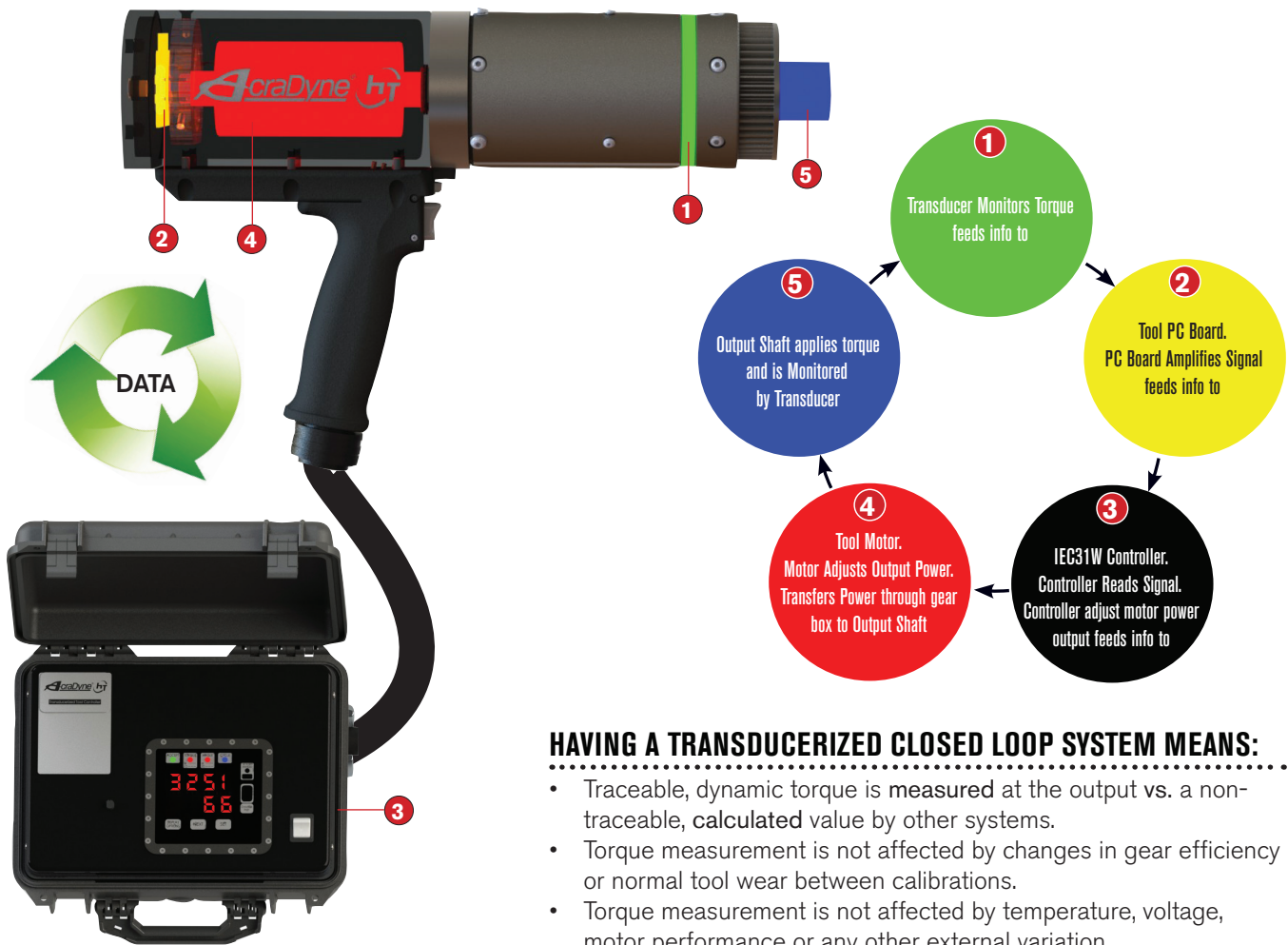
FEATURES AND BENEFITS

Critical high torque assembly applications demand tools that will deliver torque with superior performance and durability. The precision design of the HT Series from AcraDyne combines these features in an electric tool that beats the competition on productivity and ergonomics. AcraDyne's transducer torque control system provides consistent, reliable torque values as well as the ability to monitor rotational angle during the tightening process. When combined with AcraDyne's Tool Controllers, customers have a high torque assembly system that can handle the toughest and most important fastening jobs with the ease and accuracy they demand.

- Faster Free Speed – Up to three times faster than the competition.
- Accurate built-in transducer ensures that torque values are accurate - no "guesstimates".
- Closed Loop Torque Control System.
- Interchangeable Tools, Cables and Controllers – Calibrations are specific to the tool, not the system as a whole.
- Universal Controller for all AcraDyne tools.
- On-tool LED's for Accept / Reject signals.
- **CE** Compliant
- Engineered and **MADE IN THE USA.**



NOT JUST ANOTHER ELECTRIC TOOL



HAVING A TRANSDUCERIZED CLOSED LOOP SYSTEM MEANS:

- Traceable, dynamic torque is measured at the output vs. a non-traceable, calculated value by other systems.
- Torque measurement is not affected by changes in gear efficiency or normal tool wear between calibrations.
- Torque measurement is not affected by temperature, voltage, motor performance or any other external variation.
- Additional, redundant validation is not required.
- The system can be verified and calibrated easily anywhere.
- Tool, Cable and Control Unit are modular sub-systems and not dependent upon each other for system accuracy.

AcraDyne® HT

ACRADYNE® HT SERIES – SPECIFICATIONS



MODEL (handle type)	SERIES	APPROX. TORQUE		APPROX. SPEED rpm	WEIGHT		LENGTH		DIA.		DRIVE in	SOUND LEVEL dB(A)
		Nm	ft-lb		kg	lb	mm	in	mm	in		
() 4B66500A	6000	500	370	120	5.7	12.5	299	11.8	66	2.6	0.75	66
() 4B66750A	6000	750	550	85	5.7	12.5	299	11.8	66	2.6	0.75	66
() 4B771000A	7000	1000	750	65	5.7	12.5	292	11.5	76	3.0	1	66
() 4B772500A	7000	2500	1850	25	8.1	18	328	12.9	76	3.0	1	66
() 4W872800A	7000	2800	2065	9	8.1	18	328	12.9	76	3.0	1	66
() 4B884100A1	8000	4100	3000	12	12.3	27	376	14.8	86	3.6	1	66
() 4B884100A	8000	4100	3000	12	12.3	27	376	14.8	86	3.6	1.5	66
() 4W884650A	8000	4650	3430	9	12.3	27	376	14.8	86	3.6	1.5	66
() 4W896500A	9000	6500	4800	7	15	33	457	18	101	4.0	1.5	66
() 4B898100A*	9000	8100	6000	5	15	33	457	18	101	4.0	1.5	66

*Under development

ACRADYNE® HT SERIES – CONTROLLER

The reliability and simple operation of AcraDyne's iEC controller is now optimized to work with HT-Series tools. The rugged, weatherproof design allows easy set-up of the HT controller in the toughest of environments.

FEATURES AND BENEFITS

- Data Storage – Up to 2,040 rundowns stored on board.
- Firmware – Custom-designed operating system means no licensing fees.
- Parameter Set Select and Indication – Change between 32 jobs with one touch.
- Tool Calibration Routines – Stores the calibration directly in the tool's memory for easy plug and play into any HT Series Controller.
- Programmable Calibration and Service Interval Alerts – Configure alerts to indicate when service or calibration is due for a tool based on the number of cycles, or months, since the last service or calibration.
- Real Time Clock – For time and date stamping rundown information and other logged data.
- Graphing Capabilities – To track and monitor tightening strategies.
- Multiple Fastening Strategies – Program up to 32 parameter sets to handle 32 different torques and joint types.
- **CE** Compliant

CONTROL STRATEGIES (CW OR CCW)

- Torque Control (TC) – Provides target torque with high and low limits with simple pass or fail criteria for tightening threaded fasteners.
- Torque Control with Angle Monitoring (TC/AM) – Allows user to monitor angle, rotation and detect any changes in the joint rate which would indicate process problems.
- Torque Monitoring with Angle Control (TM/AC) – For controlling the amount of fastener rotation during tightening while also viewing applied torque.

MODEL	DESCRIPTION
IEC31W-110V	Field use controller for use with 110VAC input power
IEC31W-220V	Field use controller for use with 220VAC input power



iEC31W Model

ACCURATE

- Controlled tightening improves quality.
- Process controls ensure no missed fasteners, stripped threads, rehits or damaged threads.
- Reduces human error.
- Consistent torque control.
- Accurate tightening means better end product quality.
- No premature shut-off.

RELIABLE

- No guessing, just reliable and accurate assembly.
- Automatically set your torque and reduce operator error.
- No counting required.
- Collect and analyze your production data.

PRODUCTIVE

- Increased productivity means increased profits.
- Replace multiple conventional tools with one controlled system.



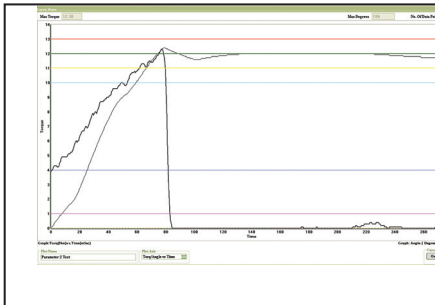
ACRADYNE® HT SERIES – PROGRAMING

ToolWare is AcraDyne's software package designed specifically for AcraDyne® tools and controllers. Provided at no cost, this comprehensive, user-friendly program allows programming, analysis and diagnostics via USB connection to any Windows® computer workstation. The software automatically detects the controller or can be used offline.

EASY PARAMETER SET SET-UP



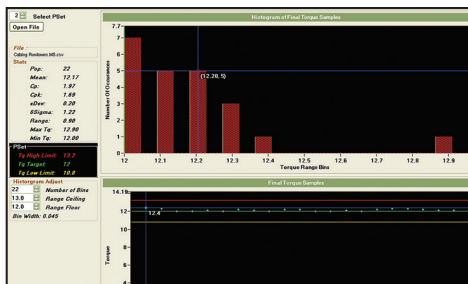
CURVEWARE™



AEC-CIM

Interface module allows communication between a computer and an AcraDyne® controller through USB or CAN connections.

STATISTICS



CALIBRATION MAINTENANCE SCHEDULING

ACRADYNE® HT SERIES – ACCESSORIES

MODEL	LENGTH
24330	3 meter
25350	5 meter
24320	10 meter
27110	3 meter, lightweight
27115	5 meter, lightweight
27112	10 meter, lightweight



REACTION BARS

Each tool includes a standard spline-attachment reaction device. Blank and custom reaction devices are also available.



CABLES

Robust cable and connectors for excellent ergonomics, maximum-quality signal transfer and full CE compliance.

BREAKAWAY CABLE CONNECTOR

Ensures disconnect of cable should stress in excess of 40 lbs occur.



ACCESSORIES

Custom accessories are also available for your application.



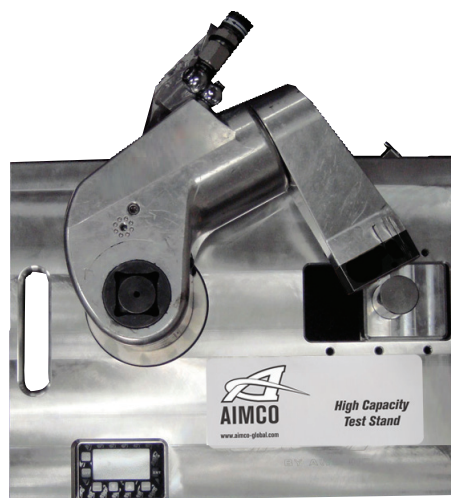
MODEL	DESCRIPTION
26810	Single Ended, Flat, 6000 Series
26815	Single Ended, Standard Offset, 6000 Series
26830	Double Ended, Flat, 6000 Series
26835	Double Ended, Standard Offset, 6000 Series
26800	Single Ended, Flat, 7000 Series
26805	Single Ended, Standard Offset, 7000 Series
26820	Double Ended, Flat, 7000 Series
26825	Double Ended, Standard Offset, 7000 Series
27200	Single Ended with Arm, 7000 Series
25277	Single Ended, flat, 8000 Series
25274	Single Ended, 3.35" offset, 8000 Series
25275	Single Ended, 4.00" offset, 8000 Series
25278	Double Ended, flat, 8000 Series
25276	Double Ended, 3.35" offset, 8000 Series
27255	Single Ended, flat, 9000 Series
26840	Single Ended, 3.35" offset, 9000 Series

MODEL	DESCRIPTION
26478	Swivel "D" Handle, 6000 Series
26328	Swivel "D" Handle, 7000 Series
25291	Swivel "D" Handle, 8000 Series
6000-FB	Protective Cover, 6000 Series
7000-FB	Protective Cover, 7000 Series
8000-FB	Protective Cover, 8000 Series

AUDITOR™ HIGH-CAPACITY TEST STANDS



AHCTS-500062354122



AHCTS-005K62321122

AHCTS TEST STANDS FOR ROTATING TOOLS

These test stands are designed for testing tools with continuous rotating output spindles. The test stand includes a rundown fixture, bushing for side load support, reaction post or reaction paddles, transducer and torque analyzer display.



AHCTS-K STANDS

The AHCTS-K stands are specifically designed for hydraulic wrench testing. Hydraulic wrenches have very low profiles but very high torque output therefore working height must be minimized to prevent side loading which could lead to errors in data or damage to tool or reaction devices.

Either of these stands can be ordered with various options such as extension legs, casters, embedded or attached torque analyzers with various rundown fixtures and reaction devices. Contact an AIMCO Customer Service Associate for additional information, 1-800-852-1368.

MODEL	DESCRIPTION
AHCTS-0500	3/4" Square Drive w/rundown fixture
AHCTS-1000	1" Square Drive w/rundown fixture
AHCTS-2500	1.5" Square Drive w/rundown fixture
AHCTS-5000	1.5" Square Drive w/rundown fixture
AHCTS-7500	1.5" Square Drive w/rundown fixture
AHCTS-5025*	1.5" Sq Dr dual station w/rundown fixture and reaction devices

*This stand has two transducers embedded into the base, one for rotary tools and one for hydraulic tools. It comes with the rundown and reaction fixtures and one display.

**Please refer to the Test Stand Configurator in the Appendix C for required ordering options.

MODEL	DESCRIPTION
AHCTS-0.5K	3/4" Square Drive w/reaction device
AHCTS-001K	1" Square Drive w/reaction device
AHCTS-2.5K	1.5" Square Drive w/reaction device
AHCTS-005K	1.5" Square Drive w/reaction device
AHCTS-010K	1.5" Square Drive w/reaction device
AHCTS-025K	2" Square Drive w/reaction device

AIMCO is the source for your critical fastening and tightnening needs. AIMCO possesses over 40 years experience in joint tightening and its interaction with tooling which ensures the best solution is put into practice.

If Productivity, Ergonomics, Reliability, and Quality are driving forces in your business, then AIMCO is your value-added partner. We provide cost effective answers for our customers by working collaboratively to solve challenges related to tightening strategies, tool selection and installation, joint failure analysis, as well as audit trails and methods. As a value added service, AIMCO will train your operators to maximize the production efficiencies our tools provide.

AIMCO's manufacturing division, "AcraDyne", located in Portland, Oregon produces a complete line of D/C Controlled Tools, innovative new products and engineered solutions to complex assembly challenges. Our service, repair and calibration labs provide a fast turnaround on repairs and all electronic torque equipment are traceable to NIST standards.

Our strategically located Sales Organization, coupled with our worldwide Service Providers, make AIMCO the right choice for all of your fastening and tightening needs.



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